## ABSTRACT OF THE DISCLOSURE

According to this invention, a piston design support program for supporting design of a piston shape of an internal combustion engine, makes a computer

5    execute an input step of inputting specification values associated with a piston shape, a verification step of verifying, based on the input specification values, whether or not gaps between the piston and its surrounding components are appropriate, a read step of

10   reading out, when it is determined in the verification step that the gaps are appropriate, a three-dimensional piston model which can be deformed according to a predetermined rule from a database, and a deformation step of deforming the piston model on the basis of the

15   specification values.